FIG.1
PRIOR ART

FIG.2

FIG.3A

FIG.3B

FIG.3C

FIG.3D

FIG.3E

FIG.3F

FIG.4

FIG.5

FIG.6

COUNTF1D [17]   '0'   '1'

COUNTF1D [16:15] '00' '01' '10' '11'

0%   17.5% 35% 52.5% 70%   100%   BLACK %

FIG.7

BLK-S-Weight

"FF"

"FF"— COUNTF1D [14:7]

"00"

0%   a%   b%   100%   BLACK %

FIG.8

BLK-S-Weight

"FF"
"00"

BLK-Area-SW = '00'

"FF"
"00"

BLK-Area-SW = '01'

"FF"
"00"

BLK-Area-SW = '10'

"FF"
"00"

BLK-Area-SW = '11'

BLACK %

0%   17.5%   35%   52.5%   70%   100%
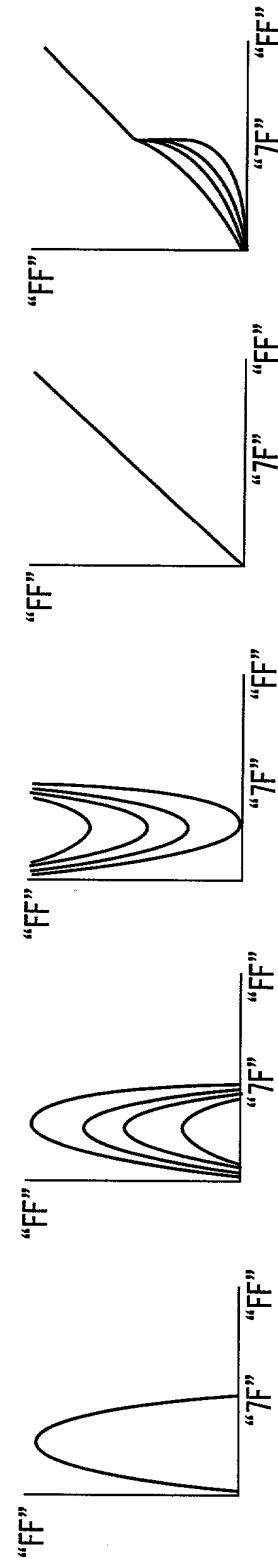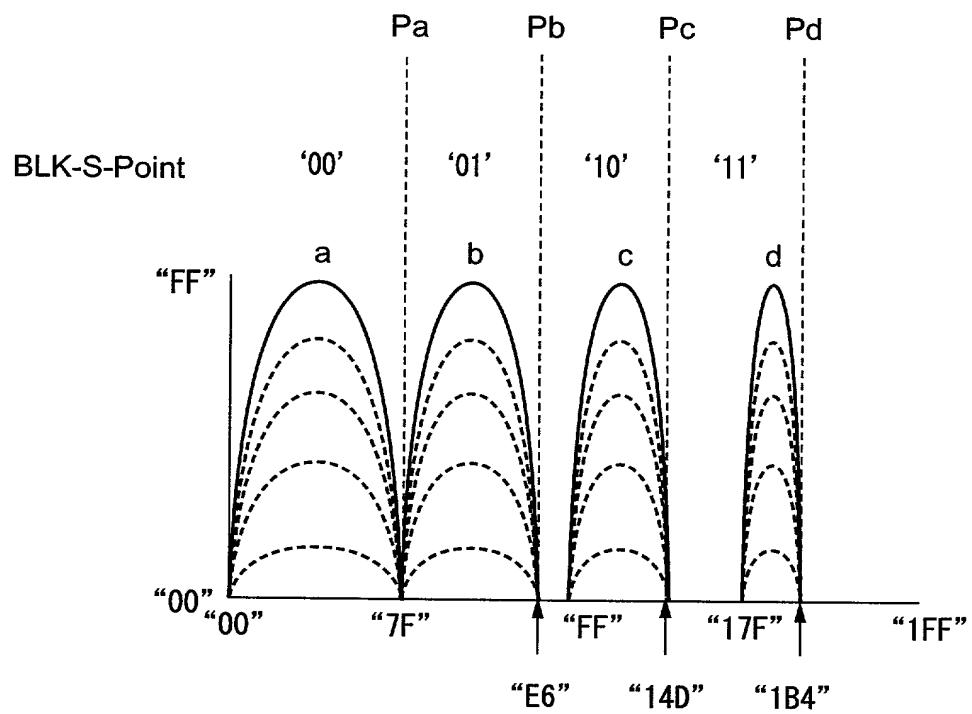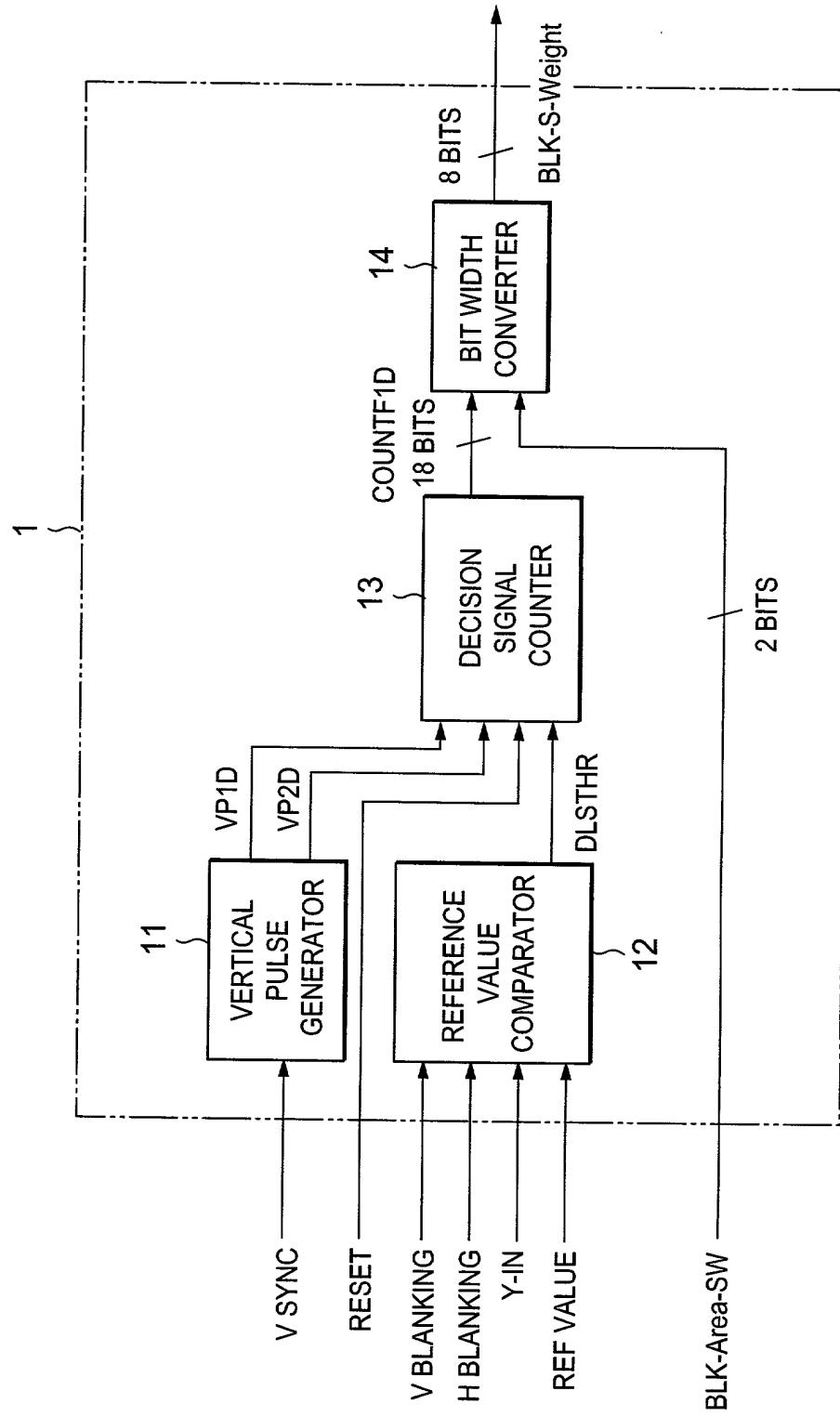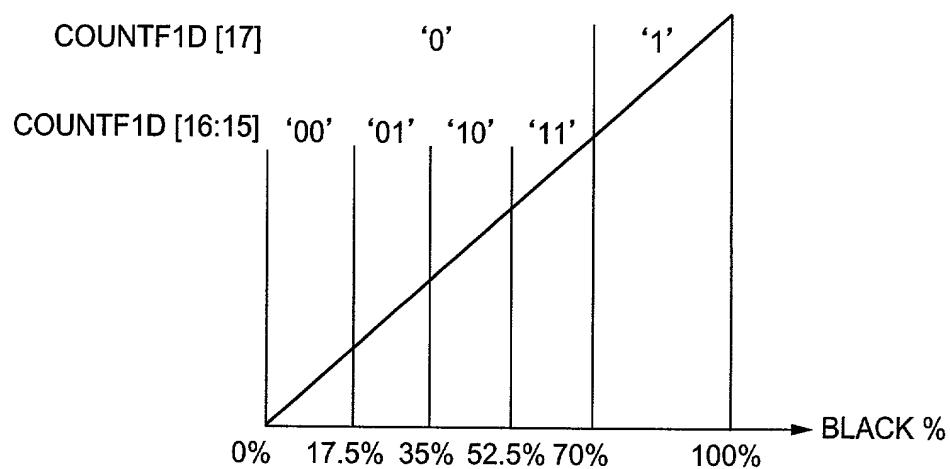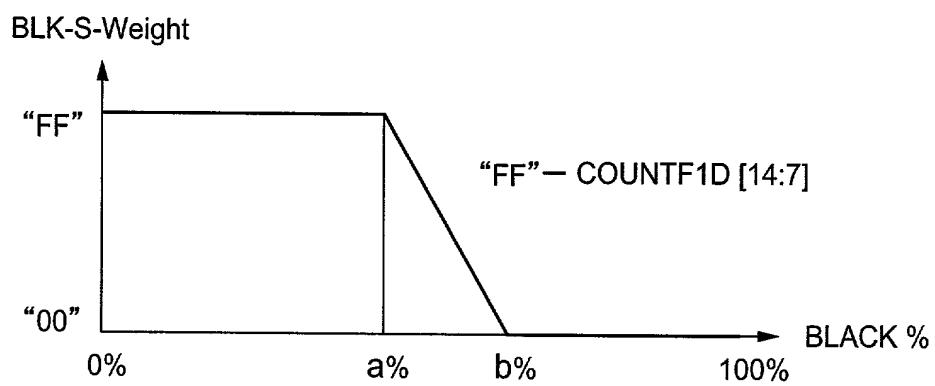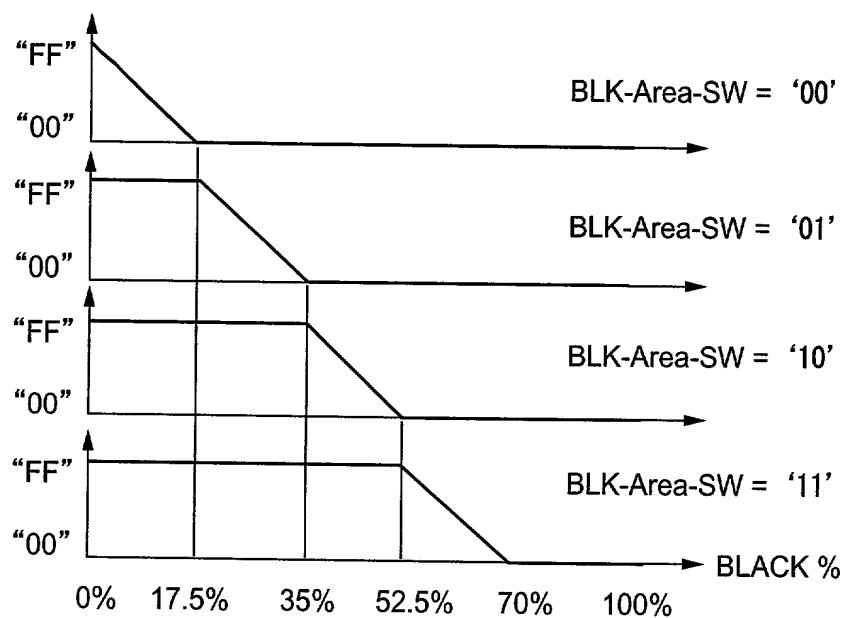
FIG.9

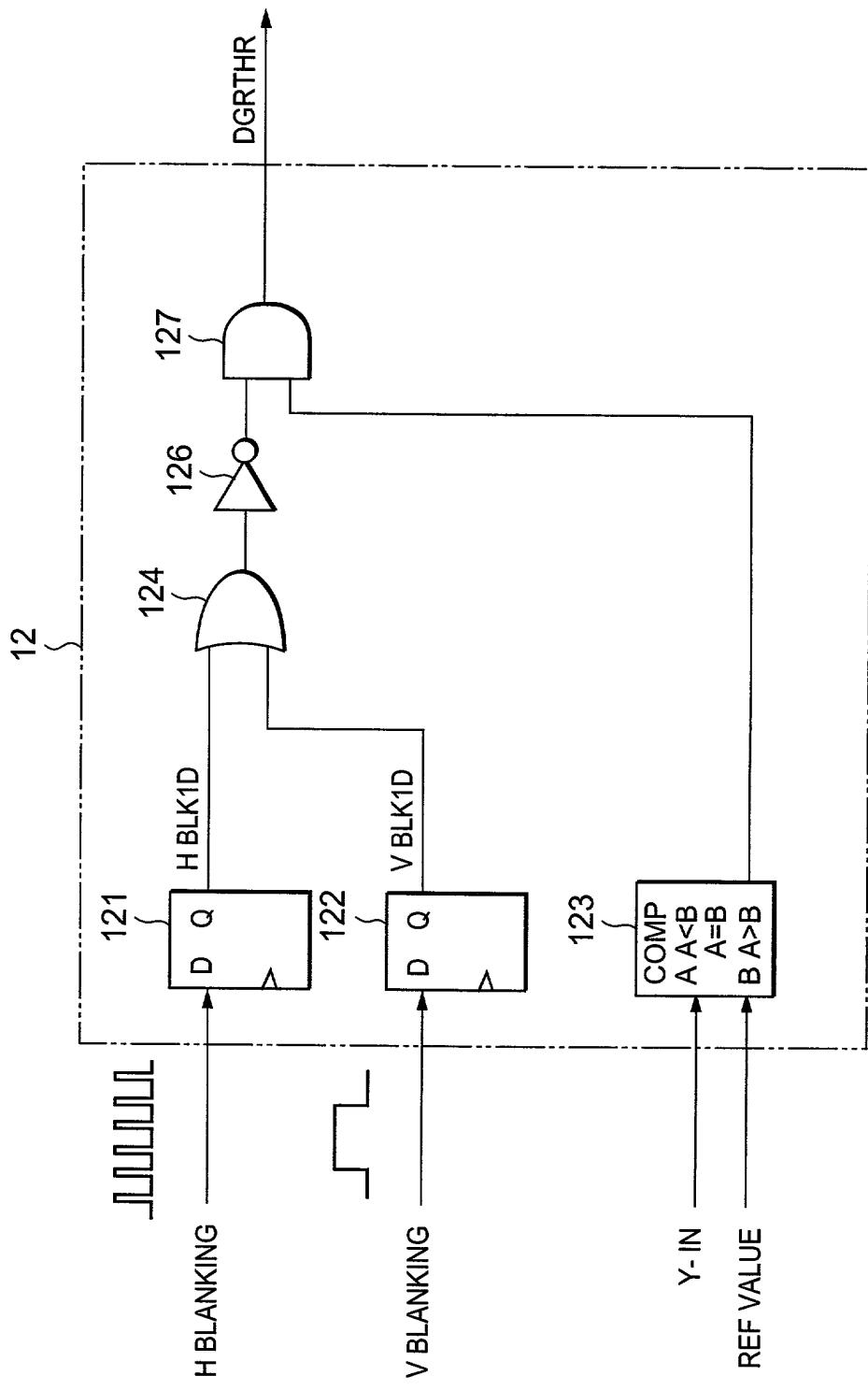| COUNTF1D [16:15] BLK-Area-SW [1:0]	'00'	'01'	'10'	'11'
'00'	"FF" - COUNTF1D [14:7]	"00"	"00"	"00"
'01'	"FF"	"FF" - COUNTF1D [14:7]	"00"	"00"
'10'	"FF"	"FF"	"FF" - COUNTF1D [14:7]	"00"
'11'	"FF"	"FF"	"FF"	"FF" - COUNTF1D [14:7]

FIG.10

FIG.11

FIG.12

FIG.13

FIG.14

COUNTF1D [17]   '0'   '1'

COUNTF1D [16:15]   '00'   '01'   '10'   '11'

0%   17.5%   35%   52.5%   70%   100%   WHITE %
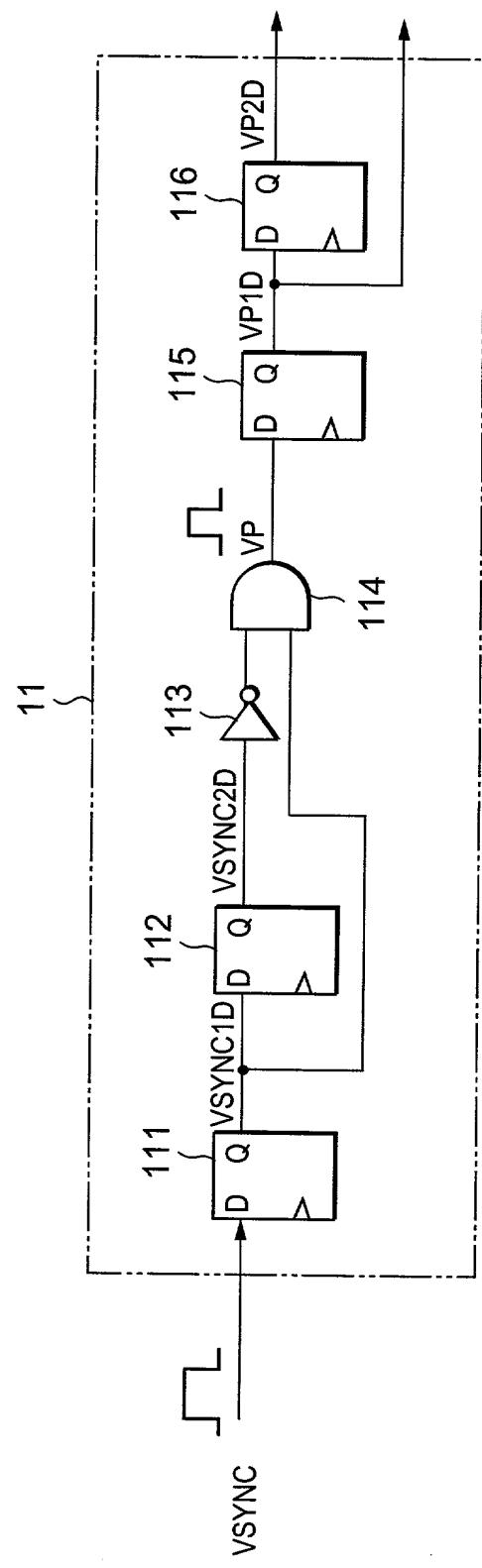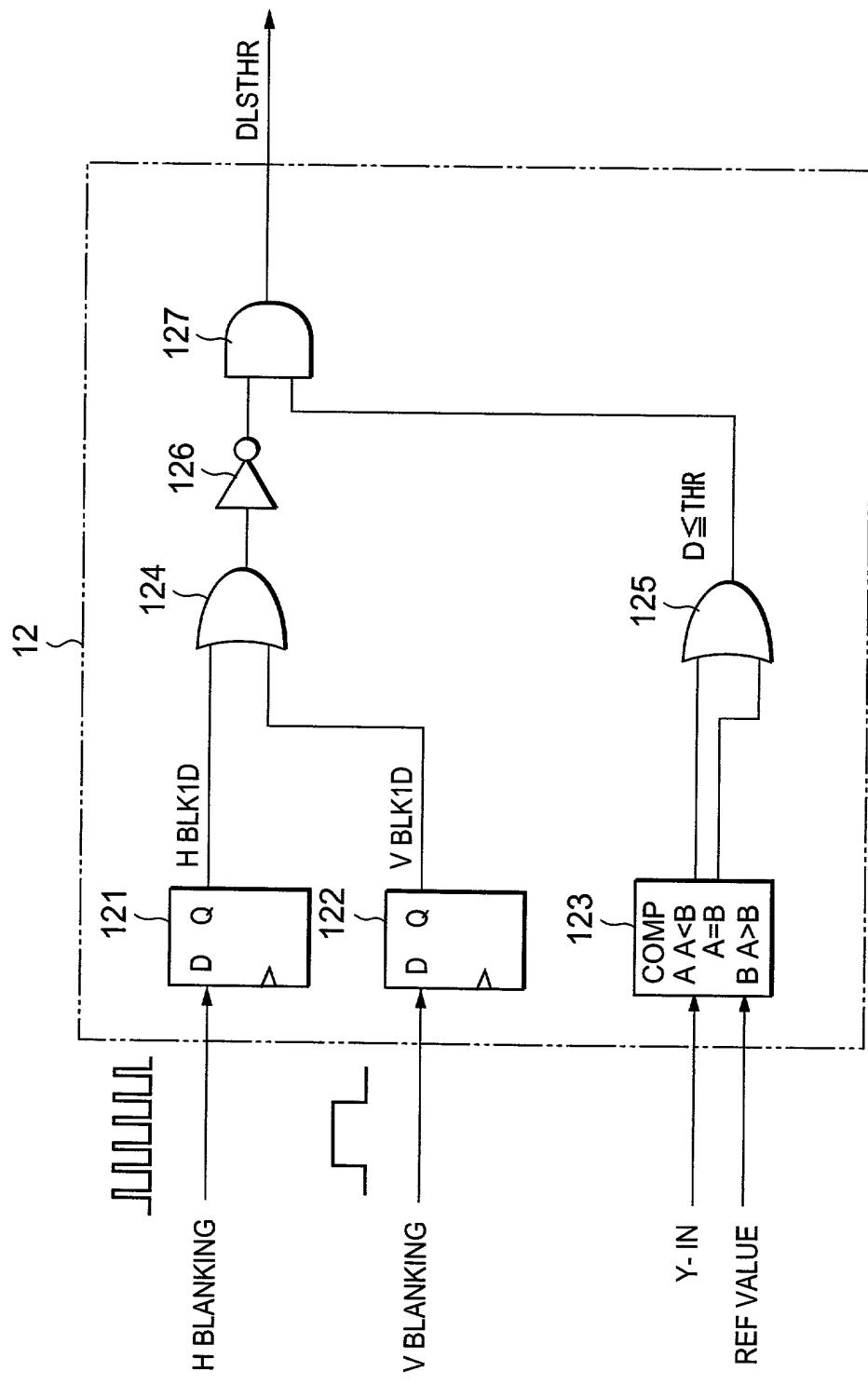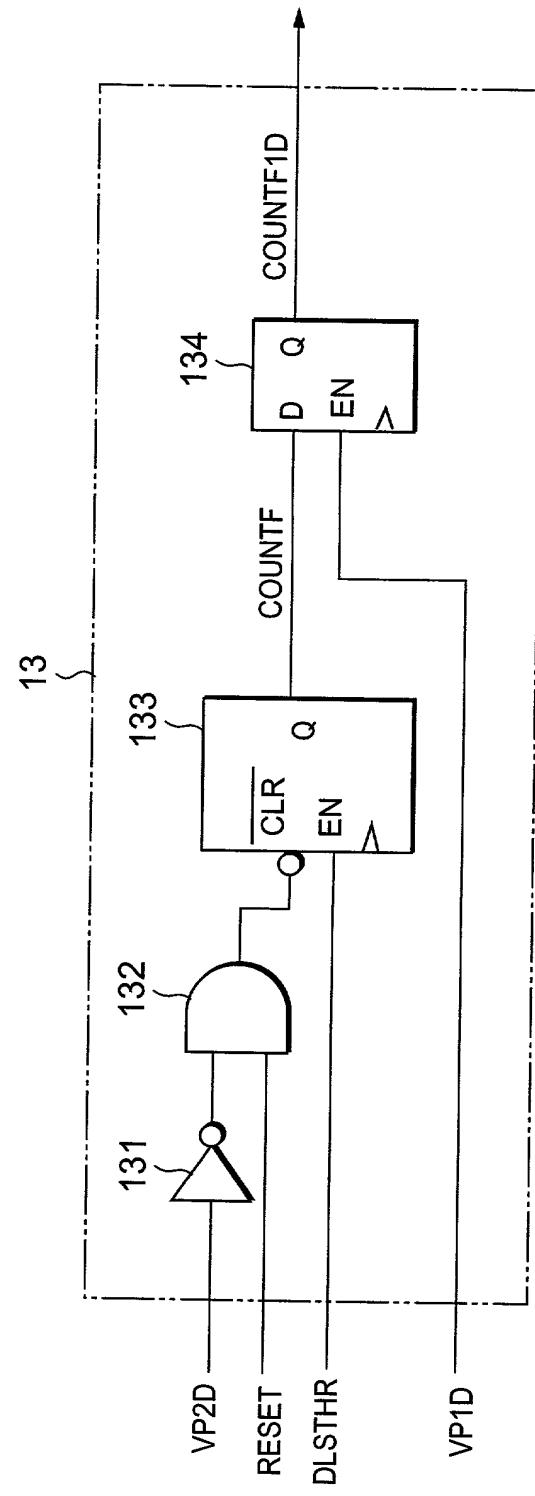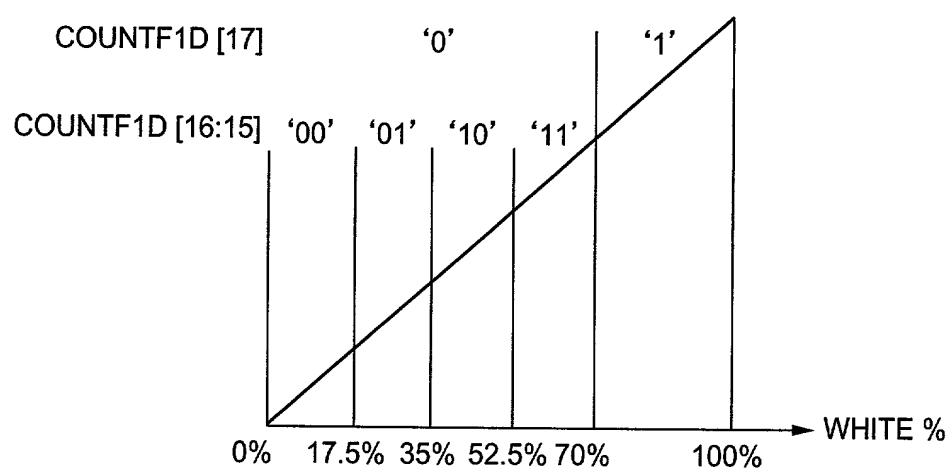
FIG.15
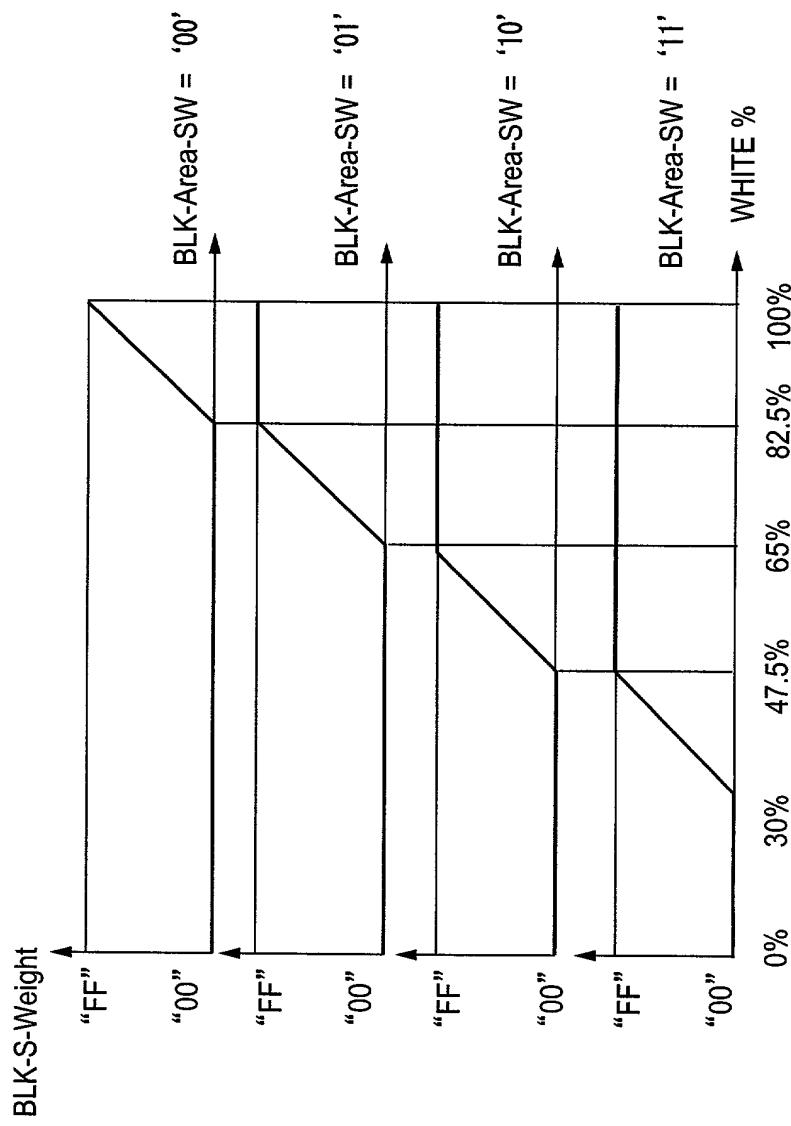
FIG.16

COUNTF1D [16:15] / BLK-Area-SW [1:0]	'00'	'01'	'10'	'11'
'00'	COUNTF1D [14:7]	"FF"	"FF"	"FF"
'01'	"00"	COUNTF1D [14:7]	"FF"	"FF"
'10'	"00"	"00"	COUNTF1D [14:7]	"FF"
'11'	"00"	"00"	"00"	COUNTF1D [14:7]